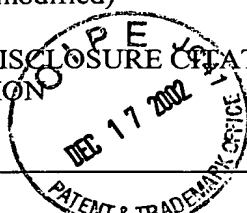


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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
<i>DW</i>	AA	5,767,253	6/1998	Jan R. Turner, et al.			
	AB	5,591,606	1/7/97	Jan R. Turner, et al.			
	AC	5,840,861	11/24/98	Jon S. Mynderse, et al.			
	AD	5,670,486	9/23/97	Jon S. Mynderse, et al.			
	AE	5,670,364	9/23/97	Jon S. Mynderse, et al.			
	AF	5,631,155	5/20/97	Jan R. Turner, et al.			
	AG	5,227,295	6/13/93	Patrick J. Baker			
	AH	5,571,901	11/5/96	LaVerne D. Boeck, et al.			
	AI	5,539,089	7/23/96	Mary C. Broughton, et al.			
	AJ	5,496,931	3/5/96	LaVerne D. Boeck, et al.			
	AK	5,362,634	11/8/94	LaVerne D. Boeck, et al.			
	AL	6,063,771	5/16/00	Daniel Earl Snyder			
	AM	6,342,482	1/29/02	Daniel Earl Snyder			
	AN	6,001,981	12/14/99	Carl Vincent DeAmicis, et al.			
	AO	5,202,242	4/13/93	Jon S. Mynderse, et al.			
<i>DW</i>	AP	5,670,486	9/23/97	Mynderse, et al.			

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							yes	no
<i>DW</i>	BA	EP 0 375 316	6/1990	EPO				
<i>DW</i>	BB	WO 01/19840	3/22/01	PCT				
<i>DW</i>	BC	WO 01/40446	6/7/01	PCT				

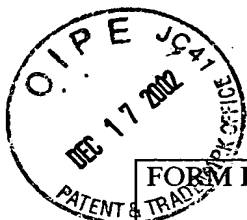
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SW	BD	WO 01/12156	2/22/01	PCT				
	BE	WO 01/11961	2/22/01	PCT				
	BF	WO 01/11964	2/22/01	PCT				
	BG	WO 01/11962	2/22/01	PCT				
	BH	WO 01/11963	8/2/00	PCT				
	BI	WO 00/01347	6/21/99	PCT				
	BJ	EP 0 128 351	12/19/84	EPO				
	BK	EP 0 069 269	1/12/83	EPO				
	BL	WO 00 29378	5/25/00	PCT				
	BM	WO 97/33471	9/18/97	PCT				
AW	BN	WO 97/00265	1/3/97	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
SW	CA	Carl V. DeAmicis, et al., "Physical and Biological Properties of the Spinosyns: Novel Macrolide Pest-Control Agents from Fermentation," American Chemical Society, Chapter 11, pgs. 144-154.						
	CB	Spinosad Technical Guide						
	CC	Boech, et al., Chemical Abstracts, 114, 9, Abstract No. 80066m (1991)						
	CD	Kirst, et al., "Discovery Isolation, and Structure Elucidation of a Family of Structurally Unique, Fermentation-Derived Tetracyclic Macrolides," ACS Symposium Series, Synthesis and Chemistry of Agrochemicals III, 504, pgs. 214-225 (1992)						
	CE	Crouse, et al., "Naturally Derived Materials as Products and Leads for Insect Control: The Spinosyns," Rev. Toxicol, 2, pgs. 133-146 (1998).						
	CF	Mertz, F. P., et al., "Saccharopolyspora spinosad sp. Nov. Isolated from Soil Collected in a Sugar Mill Rum Still," Int. J. System Bacteriol, 40, pgs. 34-39 (1990).						
	CG	Salgado, V. L., "Studies on the Mode of Action of Spinosad: Insect Symptoms and Physiological Correlates," Pestic. Biochem. Physiol., 60, pgs 91-102 (1998).						
	CH	Thompson, G. D., et al., "Spinosad A Case Study: An Example from a Natural Products Discovery Programme," Pest. Manag. Sci., 56, pgs. 696-702 (2000).						
AW	CI	Thompson, G. D., "The Discovery of Saccharopolyspora spinosad and a New Class of Insect Control Products," Down to Earth, 52, pgs. 1-5 (1997).						
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<i>AWP</i>	CJ	Breuninger, J. M., "Conserve SC: A New Product for the Turfgrass and Ornamental Industry," Down to Earth, 53, pgs. 1-5 (1998)	
	CK	Nolting, S. P., "Insect Control in Cotton with Tracer," Down to Earth, 52, pgs. 21-27 (1997).	
	CL	Sparks, et al., "Biological Activity of the Spinosyns, New Fermentation Derived Insect Control Agents, on Tobacco Budworm (Lepidoptera: Noctuidae) Larvae," J. Econ. Entomol., 91, pgs. 1277-1283 (1996).	
	CM	Kirst, et al., Tetrahedron Letters, 32(37), 4839-4842 (1991)	
	CN	Snyder, et al., J. Am. Chem. Soc., 106, 787-789 (1984)	
	CO	T. C. Sparks, et al., "Biological Characteristics of the Spinosyns: A New Naturally Derived Insect Control Agents," Cotton Insect Research and Control Conference, 1995 Beltwide Cotton Conferences, pgs. 903-907	
	CP	G. D. Thompson, "Spinosyns: An Overview of New Natural Insect Management Systems," Cotton Insect Research and Control Conference, 1995 Beltwide Cotton Conferences, pgs. 1039-1043	
	CQ	Database WPI, Week 198721, Derwent Publications Ltd., London, GB; AN 1987-145349; XP002153469 & HU 41 238 A (Nehezvegyipari), 28 April 1987 (1987-04-28) abstract	
	CR	Chemical Abstracts, vol. 102, no. 3, 21 January 1985 (1985-01-21) Columbus, Ohio, US; abstract no. 19640, Kieran, Peter John, et al: "Pour-on formulation for lice control" XP002153466 abstract & AU 83219 47 A (Wellcome Australia Ltd.) 12 April 1984 (1984-04-12)	
	CS	Chemical Abstracts, vol. 101, no. 11, 10 September 1984 (1984-09-10) Columbus, Ohio, US; abstract no. 85712, Kieran, Peter John, et al.: "Pyrethroids for combating sheep ectoparasites" XP002153467 abstract & AU 82918 50 A (Wellcome Australia Ltd.) 24 March 1983 (1983-03-24)	
	CT	Chemical Abstracts, vol. 100, no. 7, 12 February 1984 (1984-02-13) Columbus, Ohio, US; abstract no 47094, Kieran, Peter John et al.: "Control of sheep lice" XP002153468 abstract & AU 81770 04 A (Wellcome Australia Ltd.) 27 May 1982 (1982-05-27)	
	CU	Agricultural Chemical News, 195(2), "NAF-85 (spinosad): DowElanco insecticide" (1995)	
	CV	Agricultural Chemical News, 186(2), "Spinosad, NAF-144; DowElanco seeks EPA approval for insecticide" (1995)	
	CW	Spencer, et al., "Spinosad insect control agent; lack of effects in a one year neurotoxicity screening study in rats," <u>Fundam. Appl. Toxicol.</u> ; Pt. 2, 211, 30(1) (1996)	
	CX	Kirst, et al., "Chemistry of Biology of the spinosyns a new class of naturally derived insect control agents," <u>Abstracts of Papers American Chemical Society</u> ; 210 th American Chemical Society, 210, Part 1, Abstract No. AGRO061	
<i>AWP</i>	CY	Adan, et al., "Laboratory evaluation of the novel naturally derived compound spinosad against ceratitis capitata," <u>Pesticide Science</u> , 48(3), pgs. 261-268 (1996)	
EXAMINER <i>Alta Payer</i>		DATE CONSIDERED <i>7/21/03</i>	
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<i>AW</i>	CZ	Boyd, "Impact of insecticides on predators of the soybean looper, pseudoplusia inc, <u>PhD Dissertation</u> , The Louisiana State University and Agricultural and Mechanical Col., UMI(9637762)	
<i>f</i>	CAA	King, et al., Spinosad bait for the Caribbean fruit fly (Kiptera: Tephritidea)," <u>Florida Entomologist</u> , 79(4) pgs. 526-531 (1996); ISSN: 0015-4040	
	CBB	Magnussen, et al., "Characterization of spinosad related residues in poultry tissues and eggs following oral administration," <u>211th American Chemical Society National Meeting</u> , New Orleans, Louisiana, USA, 211:1-2; AGRO 43; ISSN 0065-7 (1996)	
	CCC	Saunders, et al., "Degradation of spinosad in aqueous solution," <u>211th Americal Chemical Society National Meeting</u> , New Orleans, Louisiana, USA, 211, Part 1, Abstract No. AGRO048	
	CDD	Sparks, et al., "Chemistry and biology of the spinosyns: components of spinosad (Tracer), the first entry into DowElanco's naturalyte class of insect control products," <u>Proc. - Beltwide Cotton Conf.</u> , 2:692-696 (1996); ISSN: 1059-2644	
	CEE	Burton, et al., "Tracer naturalyte insect control physical property attributes," <u>Proc. - Beltwide Cotton Conf.</u> , 2:696-697 (1996); ISSN: 1059-2644	
	CFF	Thompson, et al., "Spinosad and the new naturalyte insect control class," <u>Proc. - Beltwide Cotton Conf.</u> , 2:870-872 (1996); ISSN: 1059-2644	
	CGG	Murray, et al., "The effects of spinosad (Tracer) on pests and beneficials," <u>Australian Cottongrower</u> , 18:62-64 (1997)	
	CHH	Heller, et al., "Evaluation of experimental DowElanco NAF85 and NAF127 formulations, and Dursban Pro for management of black cutworm on creeping bentgrass, 1996," <u>Anthropod Management Tests</u> , 22:345 (1997)	
	CII	Heller, et al., "Evaluation of NAF formulations, Dursban Pro, and Scimitar CS for management of black cutworm on creeping bentgrass, 1995," <u>Arthropod Management Tests</u> , 22:346 (1997)	
	CJJ	Salgado, et al., "Studies on the mode of action of spinosad, the active ingredient in Tracer insect control," <u>Proc. - Beltwide Cotton Conference</u> , 2:1082-1084 (1997); ISSN: 1059-2644	
	CKK	Murrey, et al., "The effect of spinosad (Tracer) on arthropod pest and beneficial populations in Australian cotton," <u>Proc. - Beltwide Cotton Conf.</u> , 2:1087-1091 (1997); ISSN: 1059-2644	
	CLL	Sparks, et al., "Penetration and metabolism of spinosyn A in lepidopterous larvae," <u>Proc. - Beltwide Cotton Conference</u> , 2:1259-1264 (1997); ISSN: 1059-2644	
	CMM	<u>Agricultural Chemical News</u> , "Success (spinosad): a new DowElanco insecticide formulation," 209; pgs. 2-15 (1997)	
	CNN	<u>Agricultural Chemical News</u> , "Tracer (spinosad): DowElanco gains insecticide registration," 211; pgs. 3-15 (1997)	
	COO	<u>Agricultural Chemical News</u> , "Success (spinosad): DowElanco gains 24(c) insecticide label to use in California," 213; pgs. 2-15 (1997)	
<i>AW</i>	CPP	<u>Agricultural Chemical News</u> , "Conserve SC (spinosad): DowElanco gains EPA, USA, insecticide registration," 215; pgs. 1-15 (1997)	
EXAMINER <i>Adam Pryor</i>		DATE CONSIDERED <i>12/1/03</i>	
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<i>AW</i>	CQQ	Yeh, et al., "Application of empore disc extraction for trace analysis of spinosad and metabolites in leafy vegetables, pepper, and tomatoes by high-performance liquid chromatography with ultraviolet detection," <u>Journal of Agricultural and Food Chemistry</u> , Vol. 45, No. 5, pgs 1746-1751; ISSN 0021-8561	
	CRR	Boyd, et al., "Residual toxicity of selected insecticides to heteropteran predaceous species (Heteroptera: Lygaeidae, Nabidae, Pentatomidae) on soybean," <u>Environ. Entomol.</u> , Vol. 27, No. 1, pgs. 154-160 (1998)	
	CSS	Kolarid, et al., "Colorado potato beetle control, 1997," <u>Arthropod Management Tests</u> , Vol. 23; pgs. 124-126 (1998)	
	CTT	Cowles, "Effect of spinosad formulations and other miticides on twospotted spider mite, 1995," <u>Arthropod Management Tests</u> , Vol. 23; pgs. 342-343 (1998)	
	CUU	Kjaer, et al., "The impact of phenology, exposure and instar susceptibility on indecticide effects on a chrysomelid beetle population," <u>Prestic. Sci.</u> , Vol. 52, No. 4, pgs. 361-371 (1998)	
	CVV	Marty, et al., "The maternal and developmental toxicity of spinosad in Sprague-dawley rats and New Zealand White Rabbits," <u>Teratology</u> , Vol. 57, pgs. 4-5 (1998)	
	CWW	Salgado, et al., "Studies on the mode of action of spinosad: The internal effective concentration dependence of neural excitation," <u>Pesticide Biochemistry and Physiology</u> , Vol. 60, No. 2, pgs. 103-110 (1998)	
	CXX	Boyd, et al., "Susceptibility of predaceous hemipteran species to selected insecticides on soybean in Louisiana," <u>Journal of Economic Entomology</u> , Vol. 91, No. 2, pgs. 401-409 (1998)	
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	CZZ	Stoltz, et al., "Colorado potato beetle control with foliar sprays, 1995," <u>Arthropod Management Tests</u> , Vol. 21, pgs. 168-169	
	CAAA	Sewell, et al., "Irish potato, control of Colorado potato beetle, 1995," <u>Arthropod Management Tests</u> , Vol. 21, pgs. 158-159	
	CBBB	Olson, et al., "Potato, Colorado potato beetle control with spinosad, 1995," <u>Arthropod Management Tests</u> , Vol. 21; pgs. 154-155	
	CCCC	Noetzel, et al., "Control of resistant Colorado potato beetle, Blaine, MN, 1995," <u>Arthropod Management Tests</u> , Vol. 21, pg. 149	
	CDDD	Noetzel, et al., "Colorado potato beetle control, Crookston, MN, 1995," <u>Arthropod Management Tests</u> , Vol. 21, pgs. 145-146	
	CEEE	Hedin, et al., "Physical and biological properties of the spinosyns: novel macrolide pest-control agents from fermentation," <u>Phytochemicals for Pest Control</u> , Chapter 11, 1995 <u>International Chemical Congress of Pacific Basin Societies</u> ; ACS Symposium Series 658, pgs. 144-153	
	CFFF	Boyd, "Impact of insecticides on predators of the soybean looper, Pseudoplusia inc," <u>Dissertation; UMI(9637762):[97pp]</u> ; The Louisiana State University and Agriculture	
<i>AW</i>	CGGG	Sears, et al., "Effects of various rates and combinations of insecticides on the control of Colorado potato beetle (CPB)(1995)," <u>Pest Management Research Report - Insects and Diseases</u> , ICAR: 86100104; pgs. 159-161; Report No. 061 (1995)	
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AW	AQ 5,145,684	9/8/92	Liversidge, et al.			
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AW	BO WO 00/60940	10/19/00	PCT			
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AW	CHHH	J. M. Edwards, et al., "Potential of Spinosad as a Control Agent for Diptera," ESA Annual Meeting, Las Vegas, Nevada, December 17-21 (1995)				
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